Fig. 1

Fig. 2

Fig. 3

d1   105

105a
Level
Calculation
Block
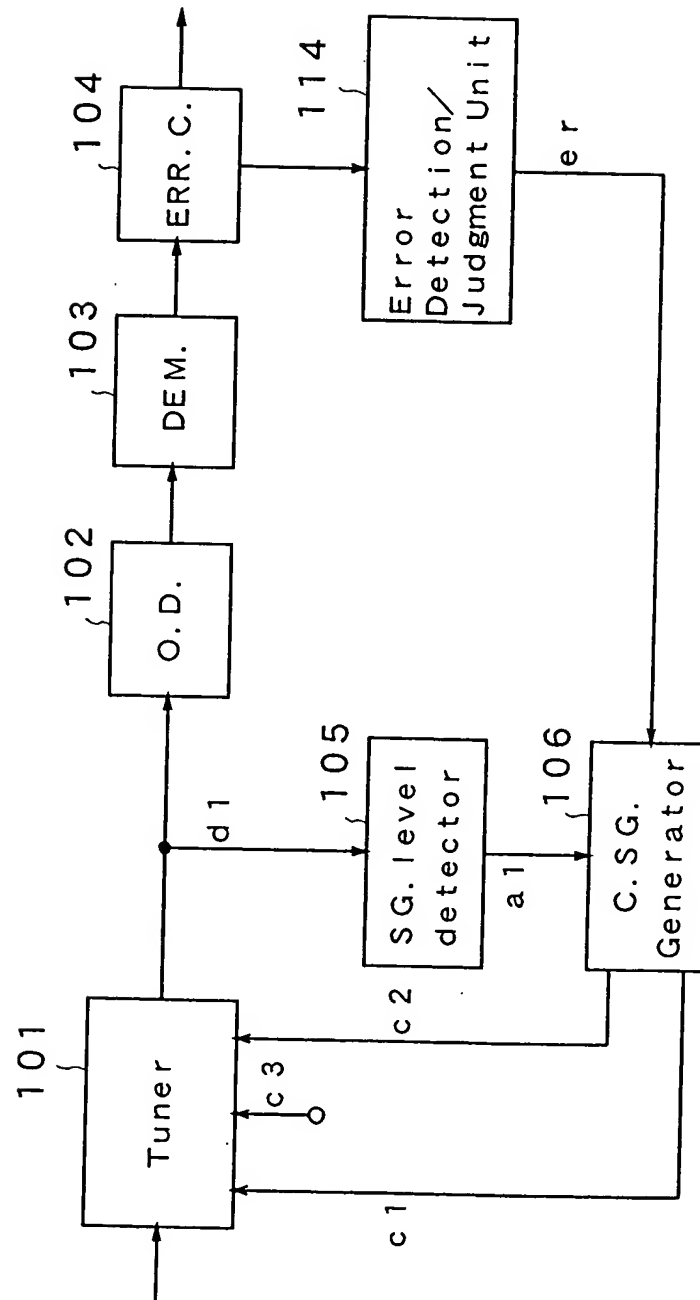
pw

105b
Offset
Calculation
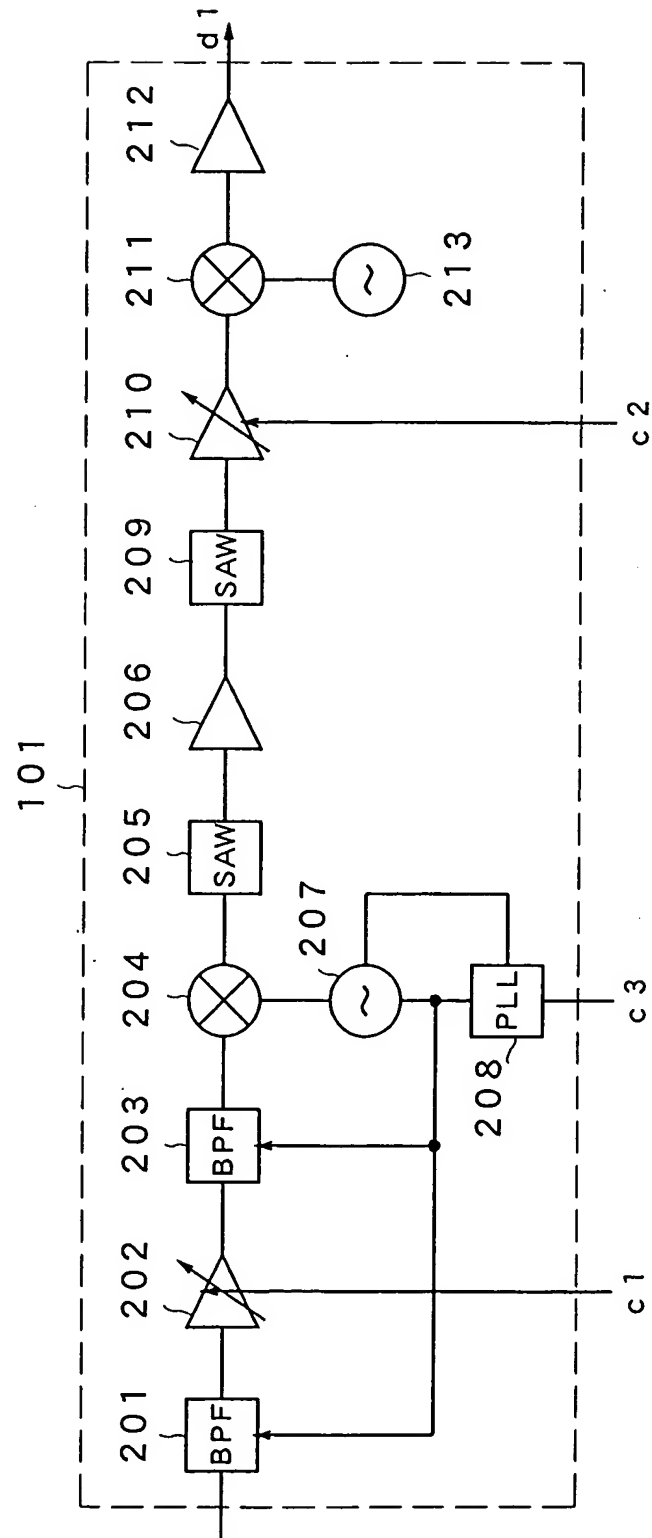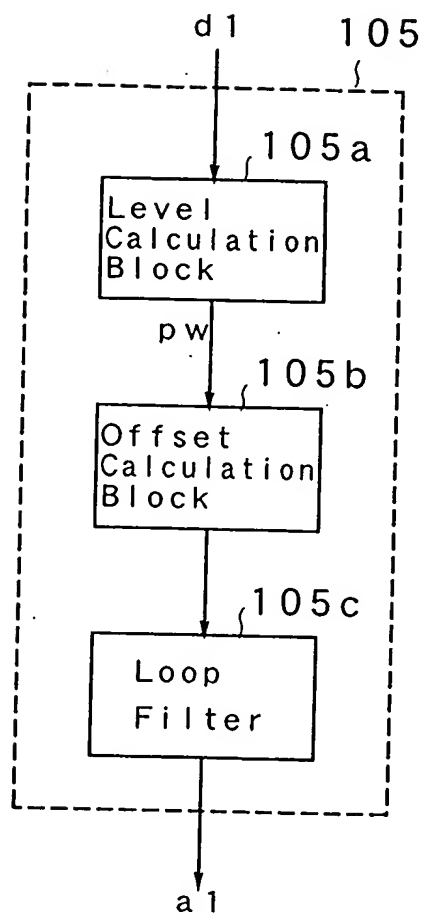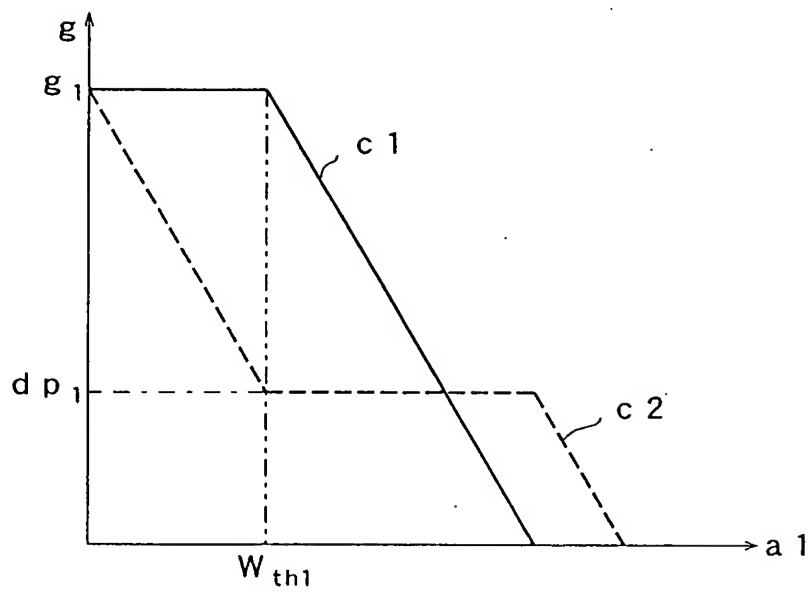Block

105c
Loop
Filter

a1

F i g. 4A

F i g. 4B

Fig. 5

Fig. 6

Fig. 7

Fig. 8

Fig. 9A

Fig. 9B

Fig. 10

Fig. 11

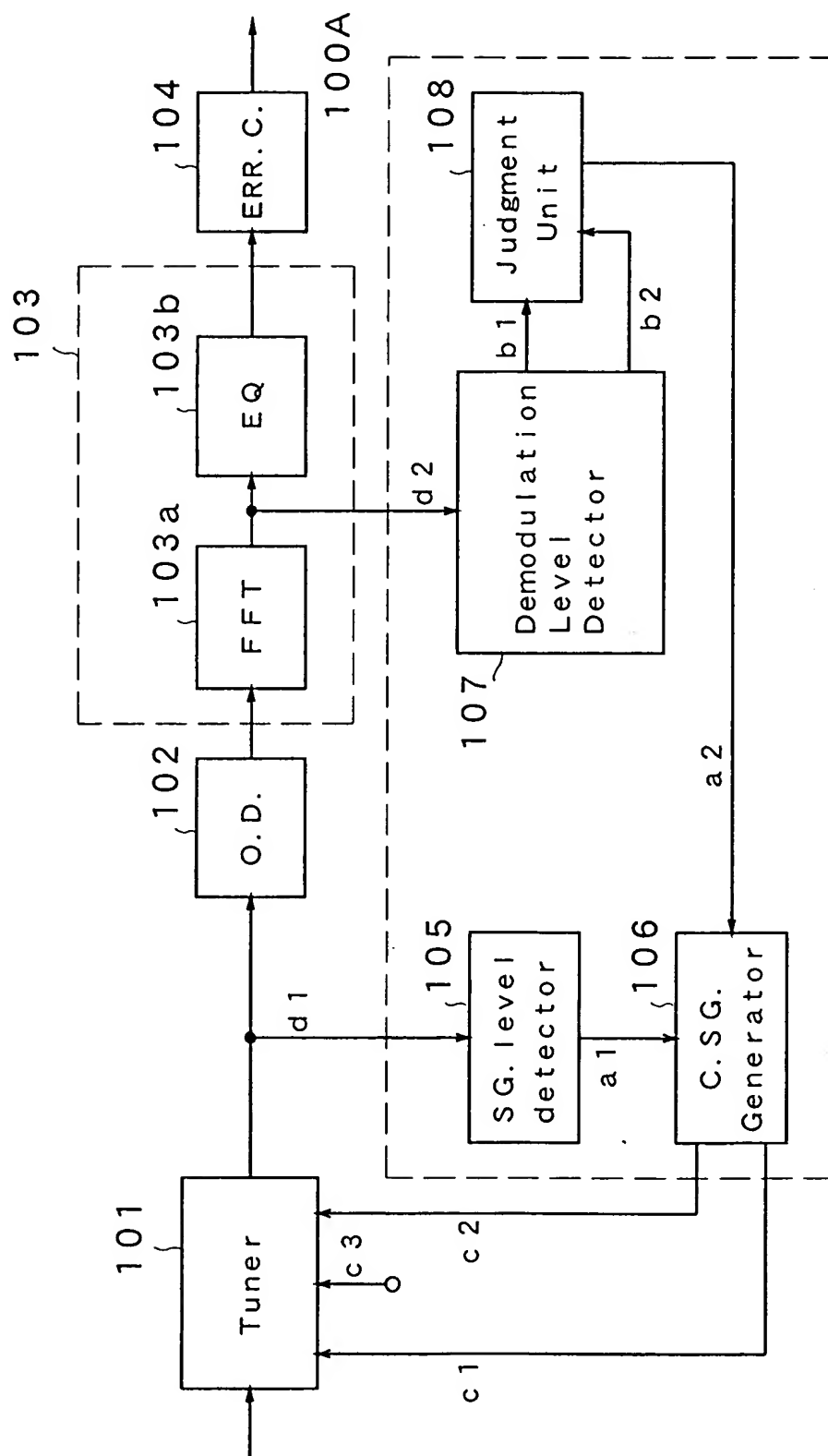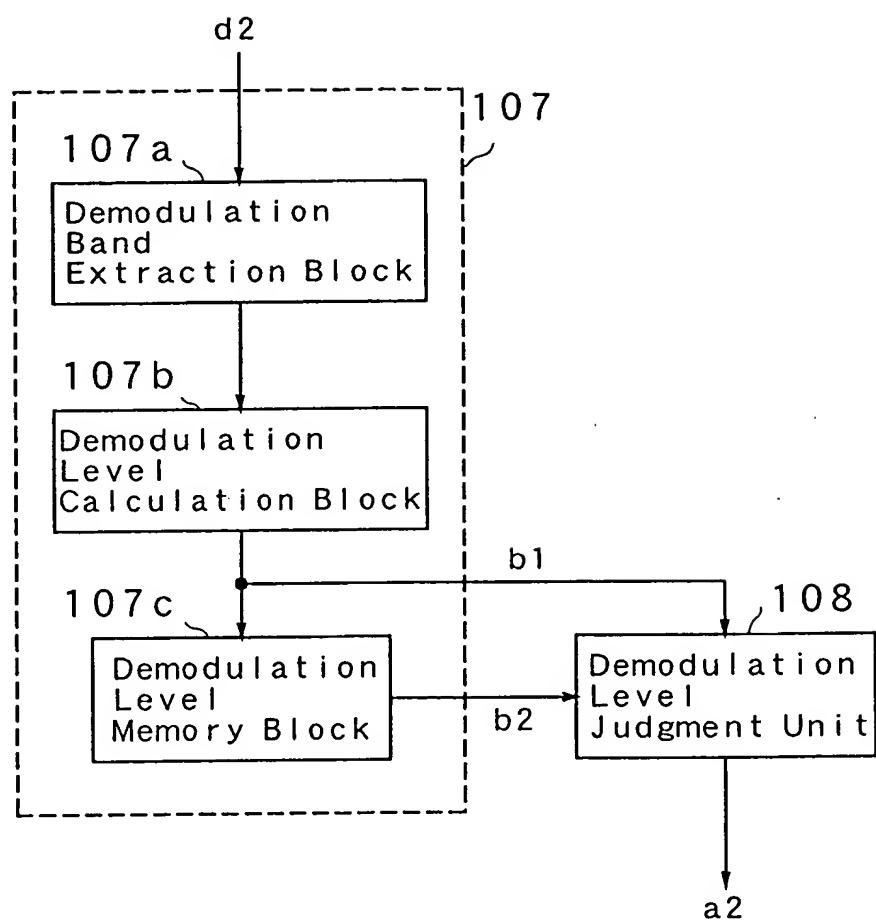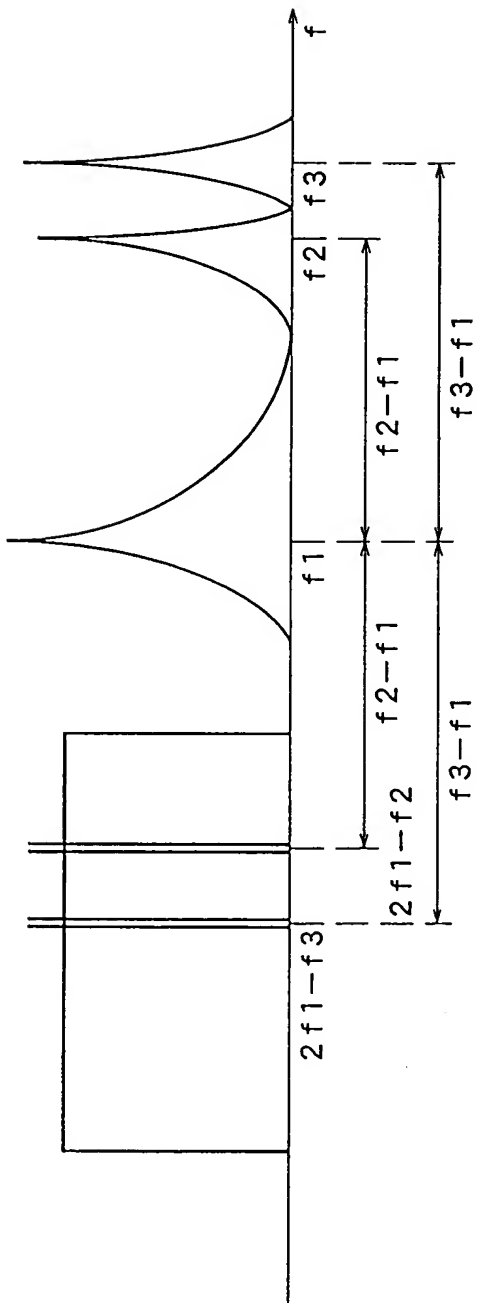e1   e2

105a   110

| Level Calculation Block | Detection Level Calculator |

a3

111

| Signal Level Judgment Unit |

pw   a4
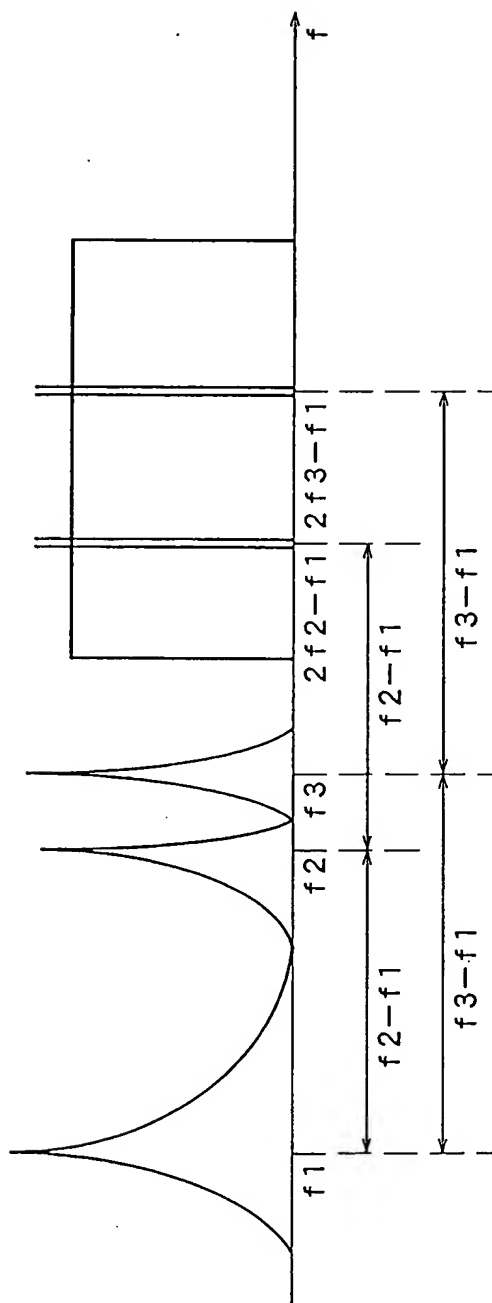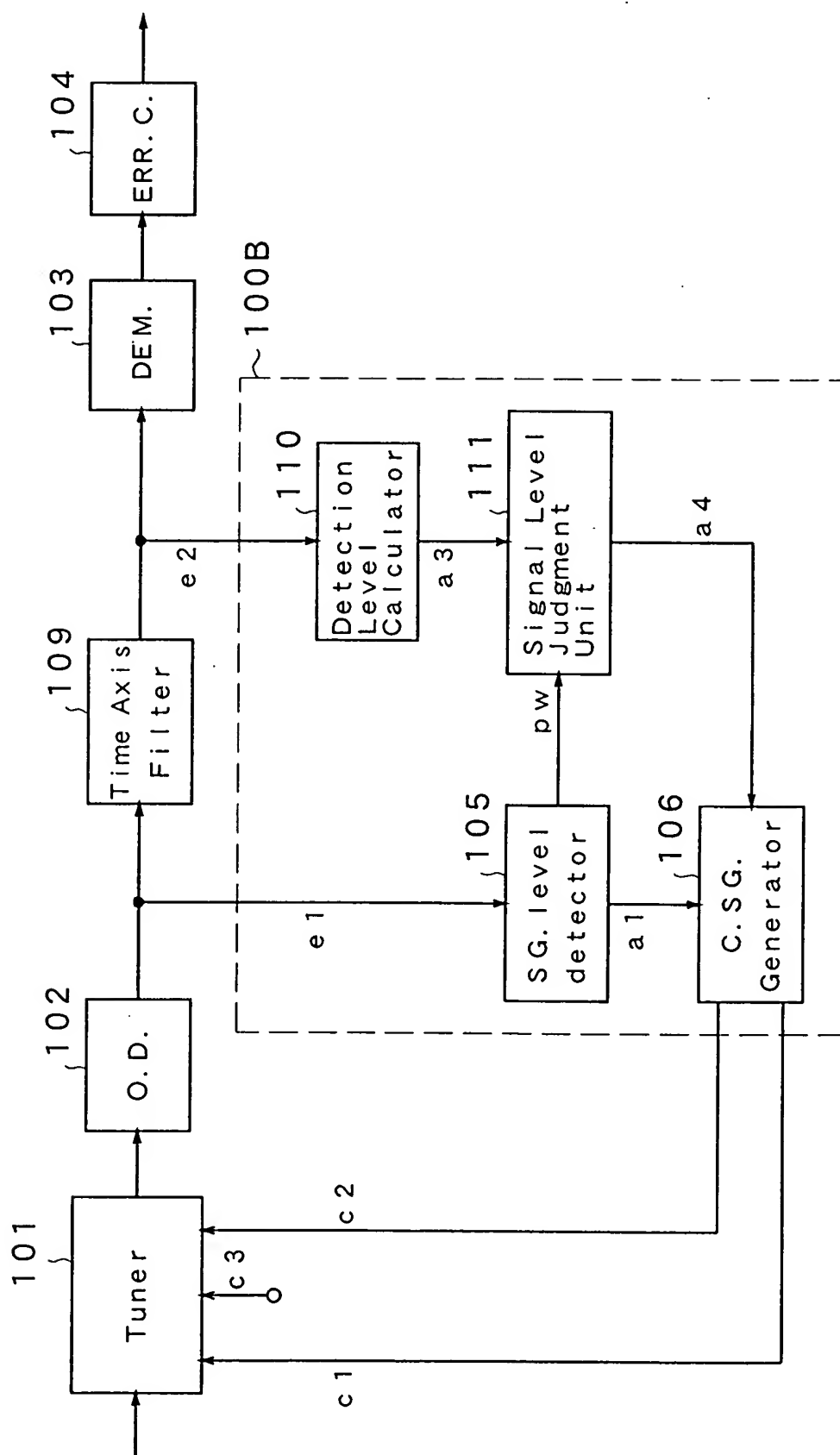
Fig.12

F i g.13

F i g.14

Fig. 15

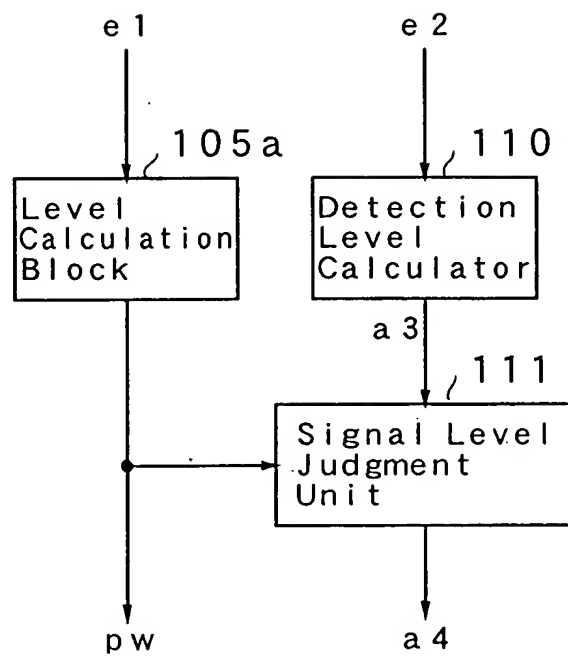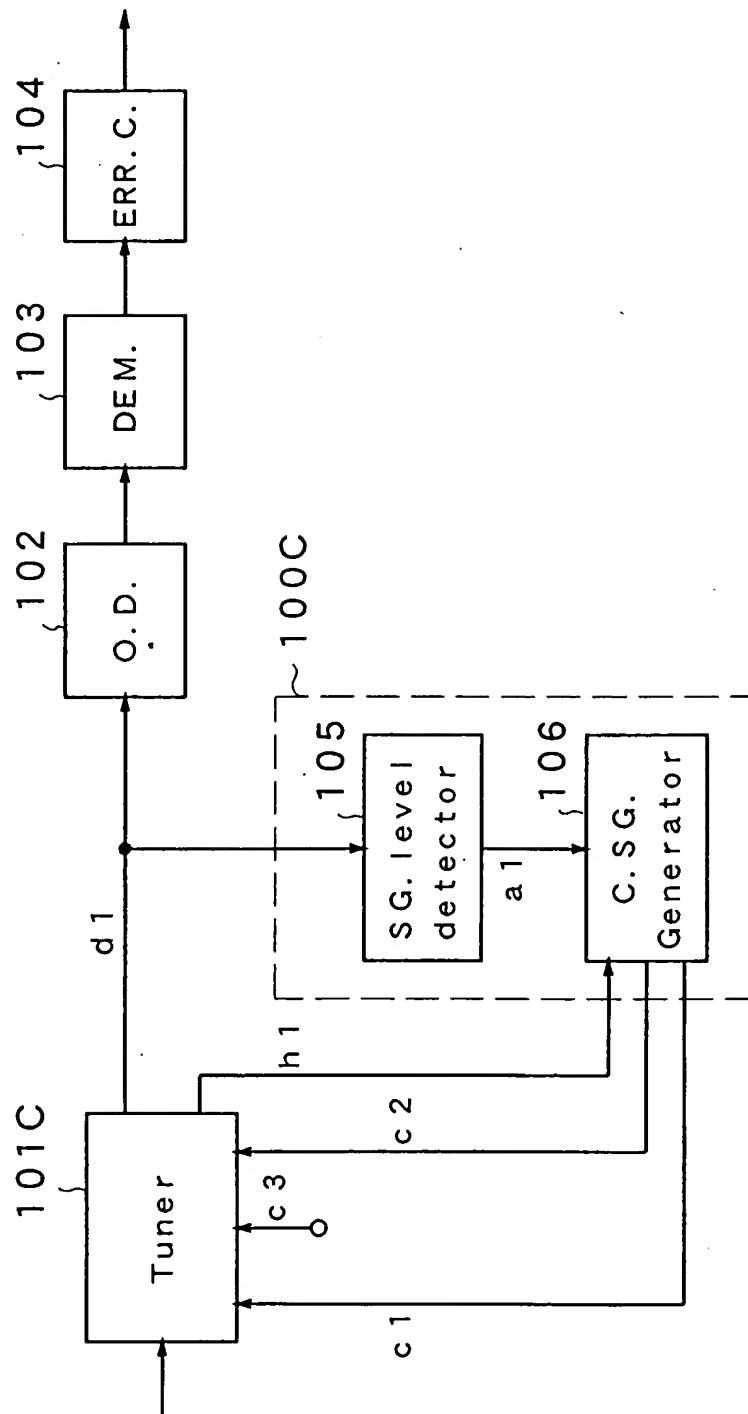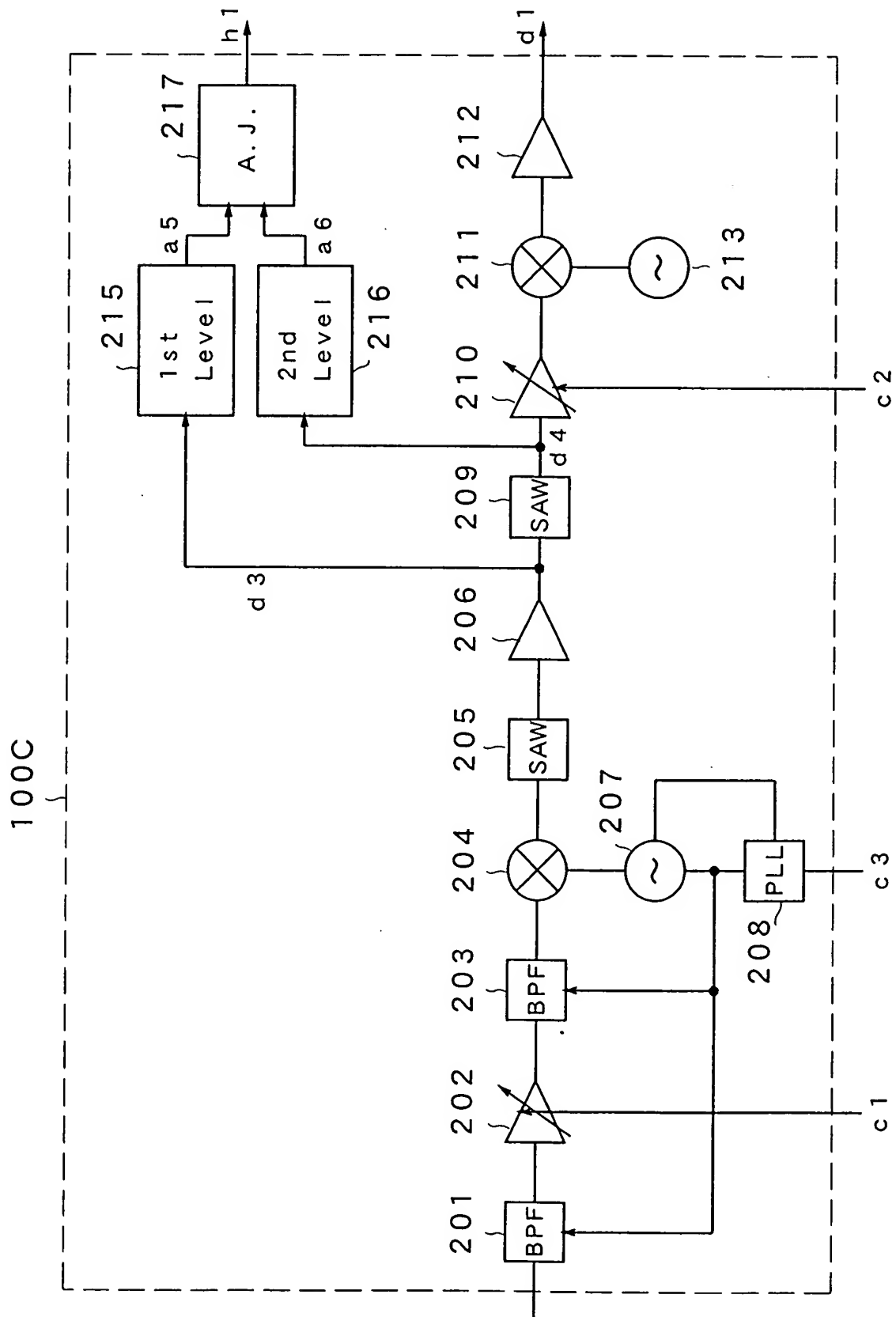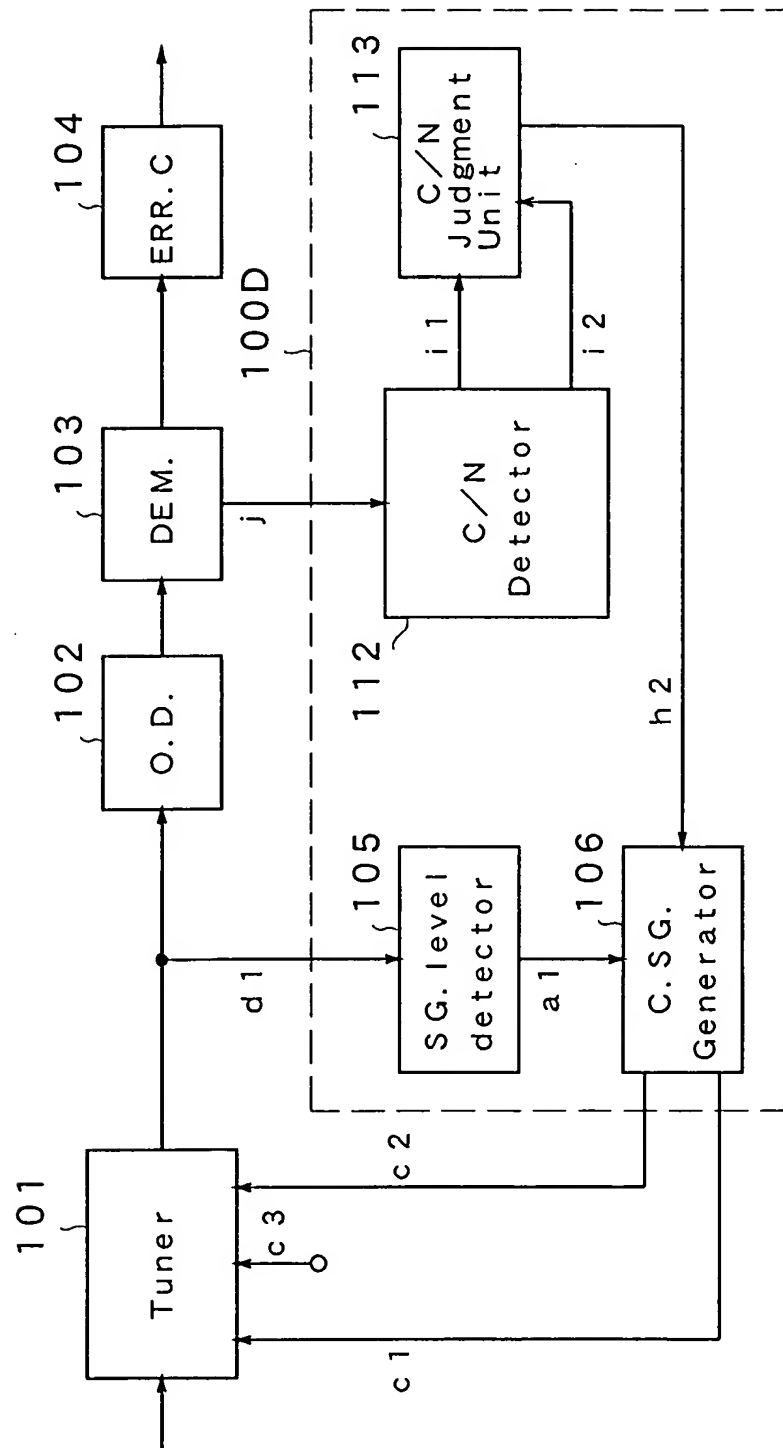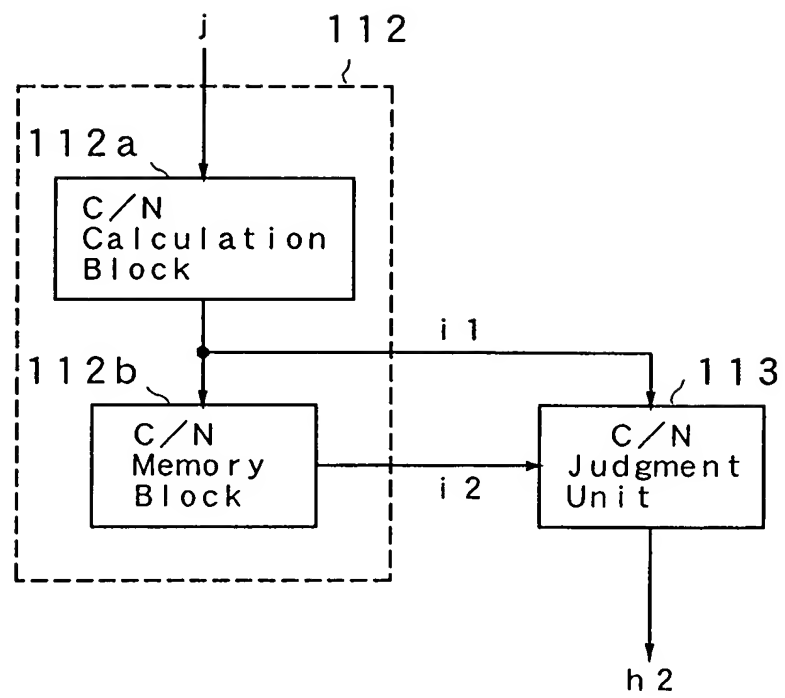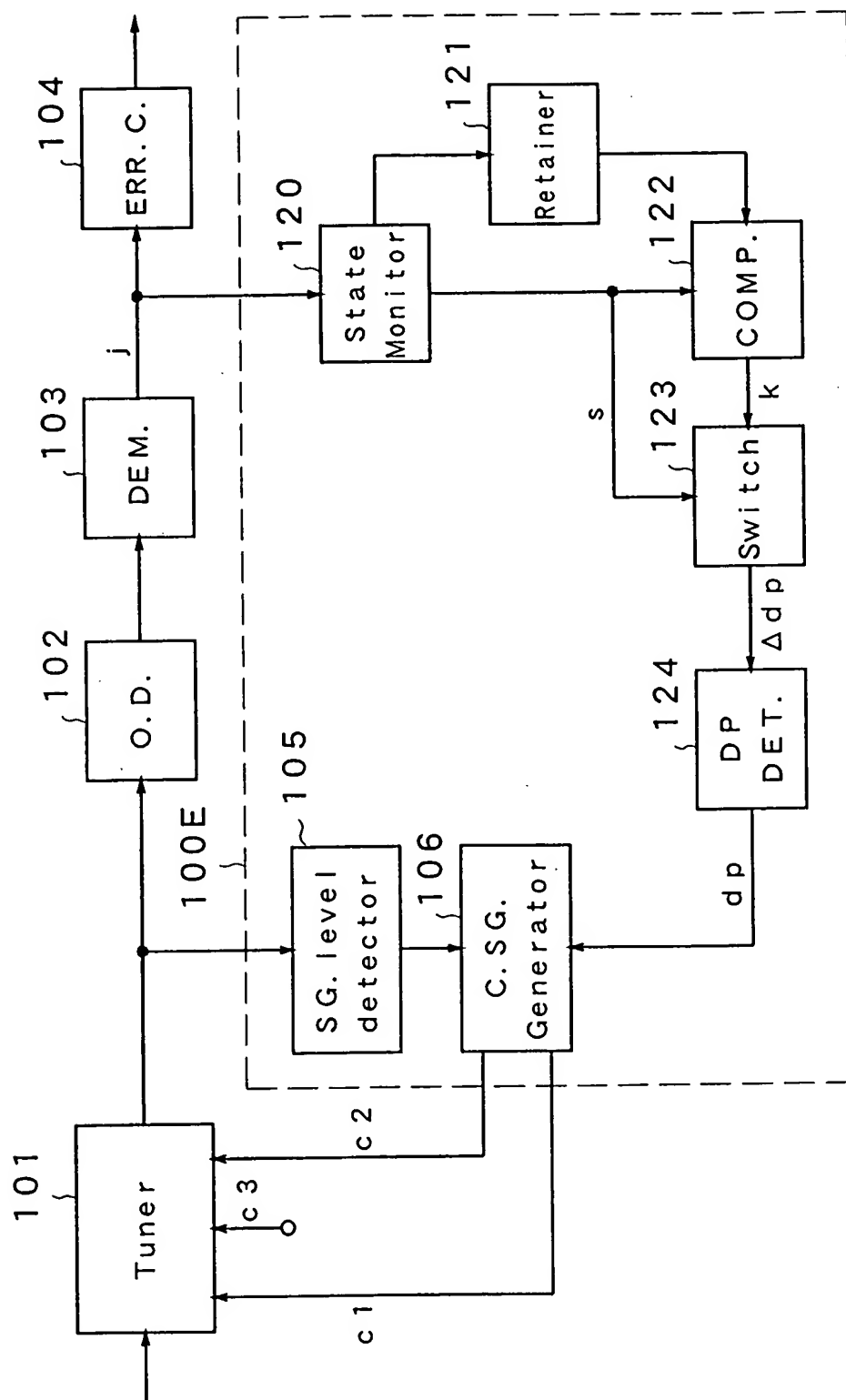Fig. 16

Fig. 17
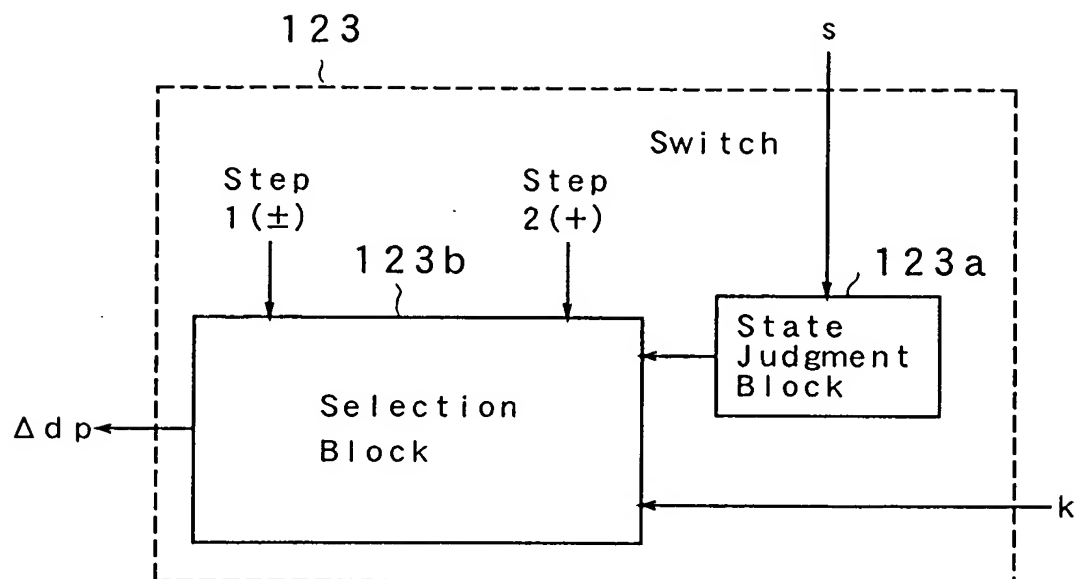
Fig. 18
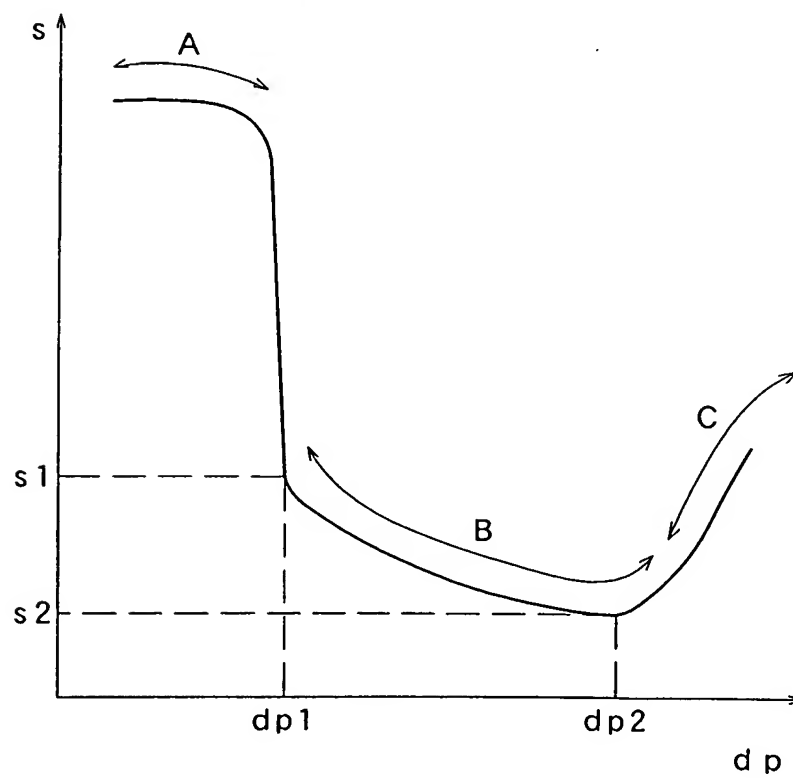
Fig. 19
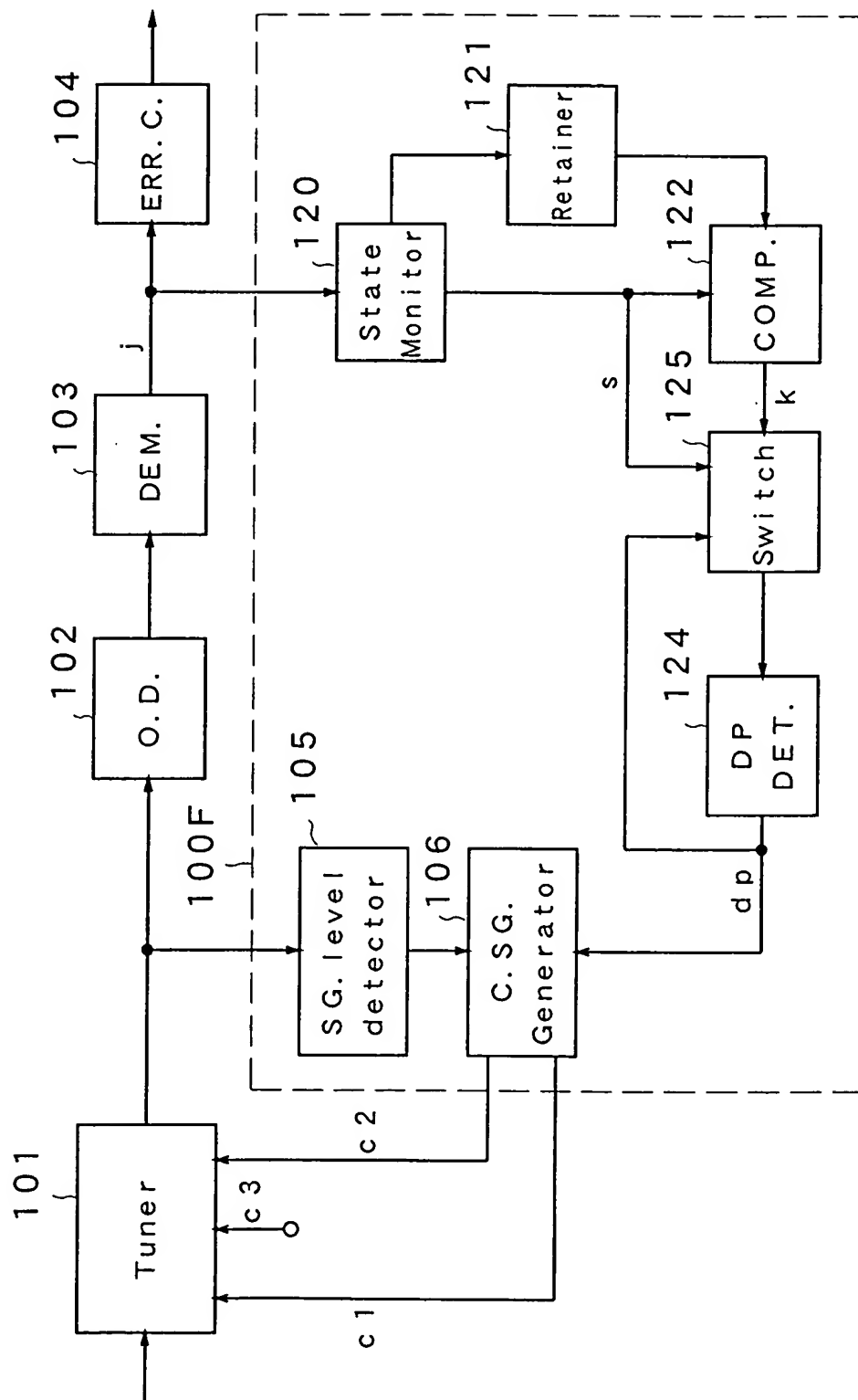
Fig. 20
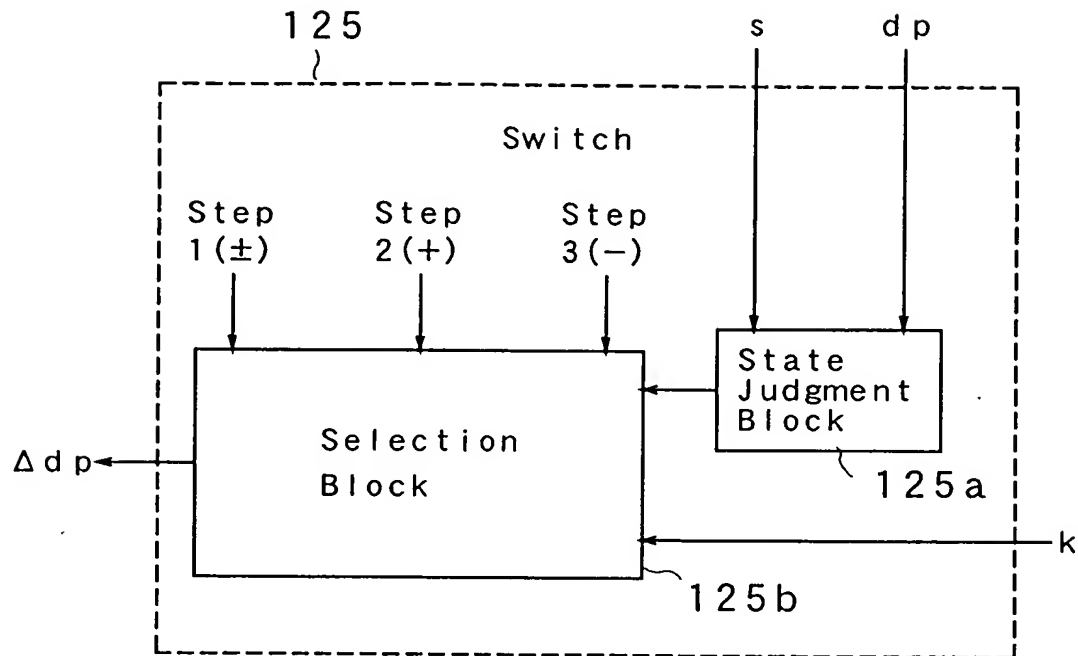
Fig. 21

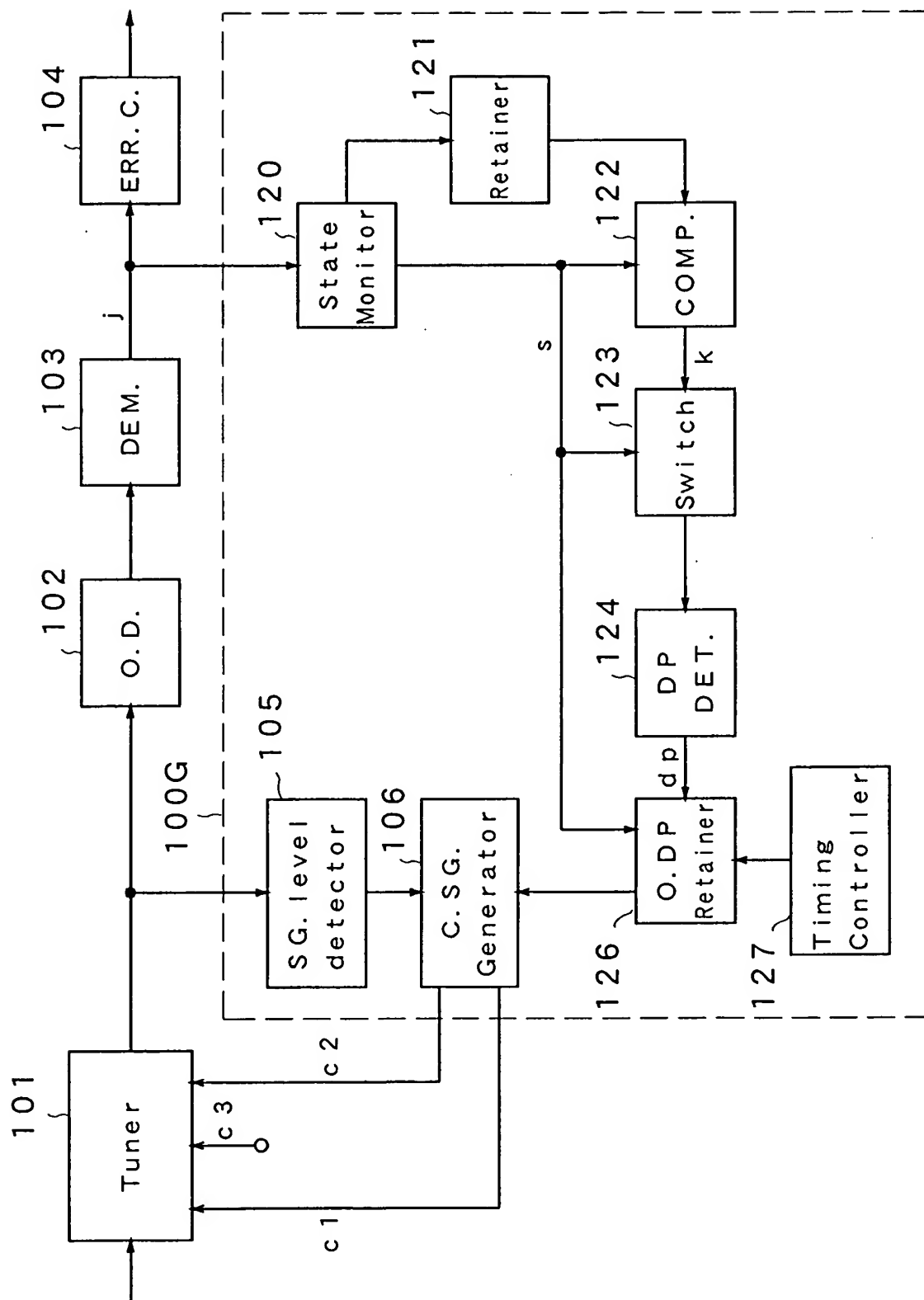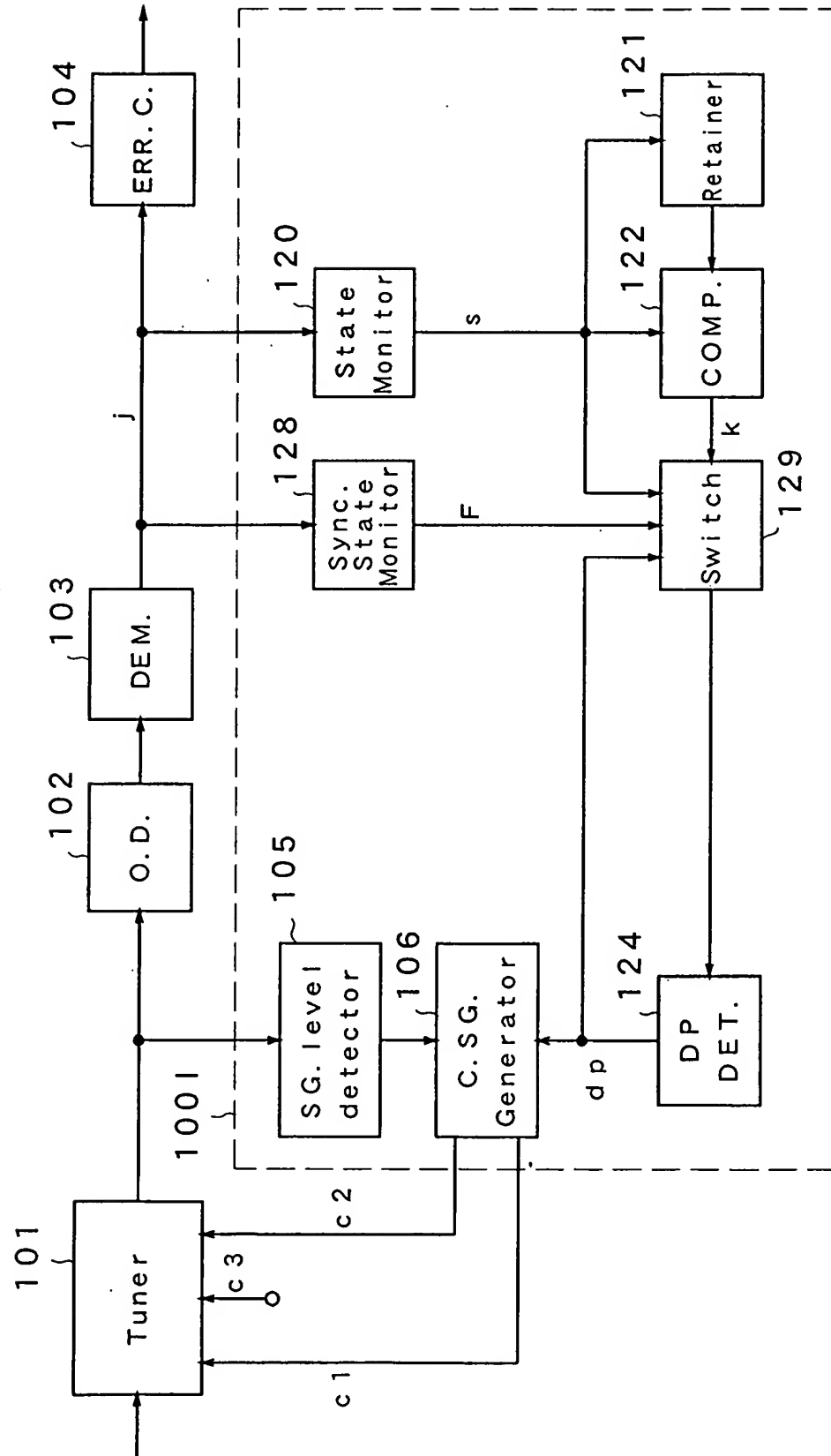| Demodulation State	dp	Step Signal
◯	large	step 1 (± : small)
✕	large	step 3 (− : large)
◯	small	step 1 (± : small)
✕	small	step 2 (+ : large)

Fig. 22

Fig. 23
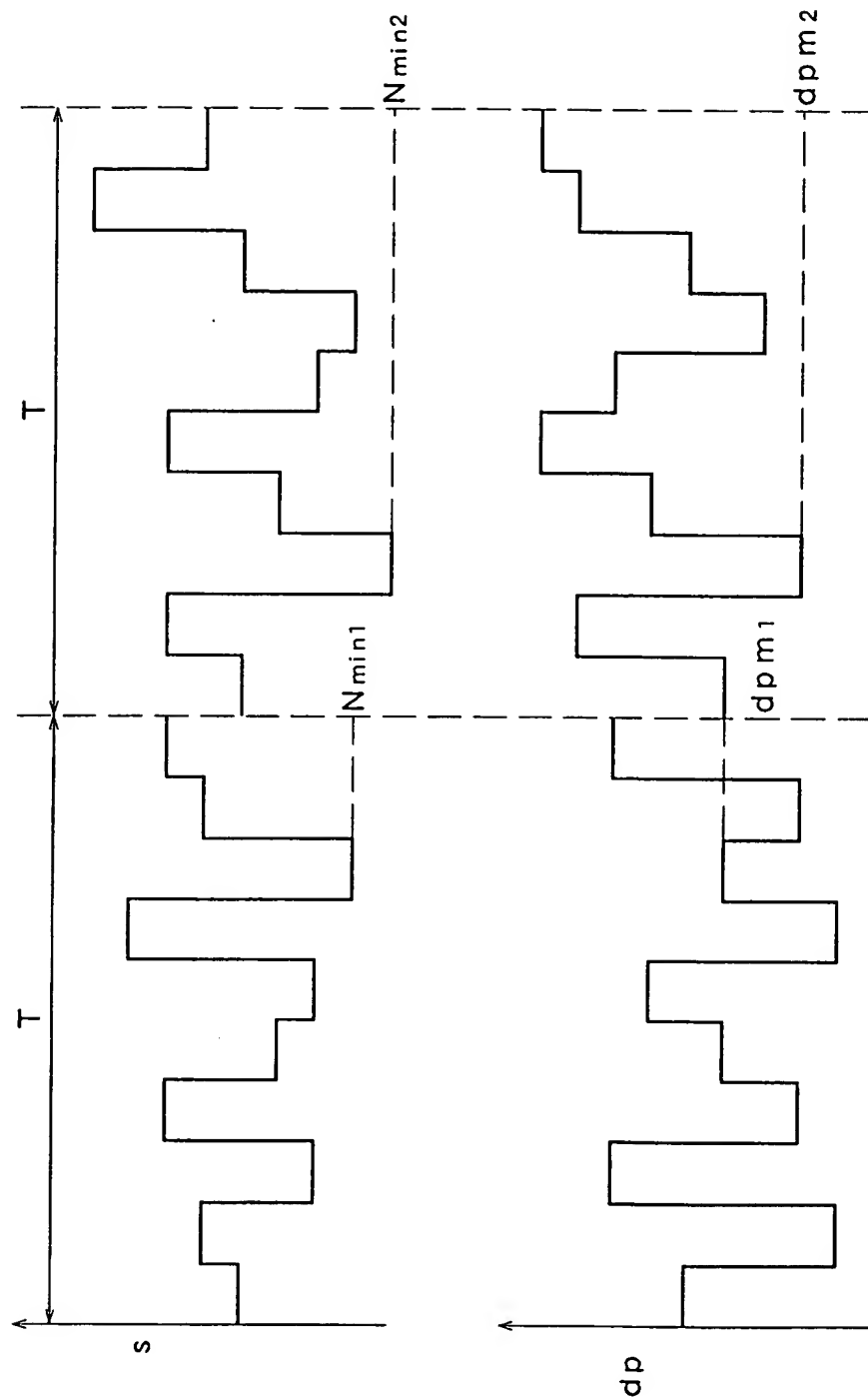
Fig. 24
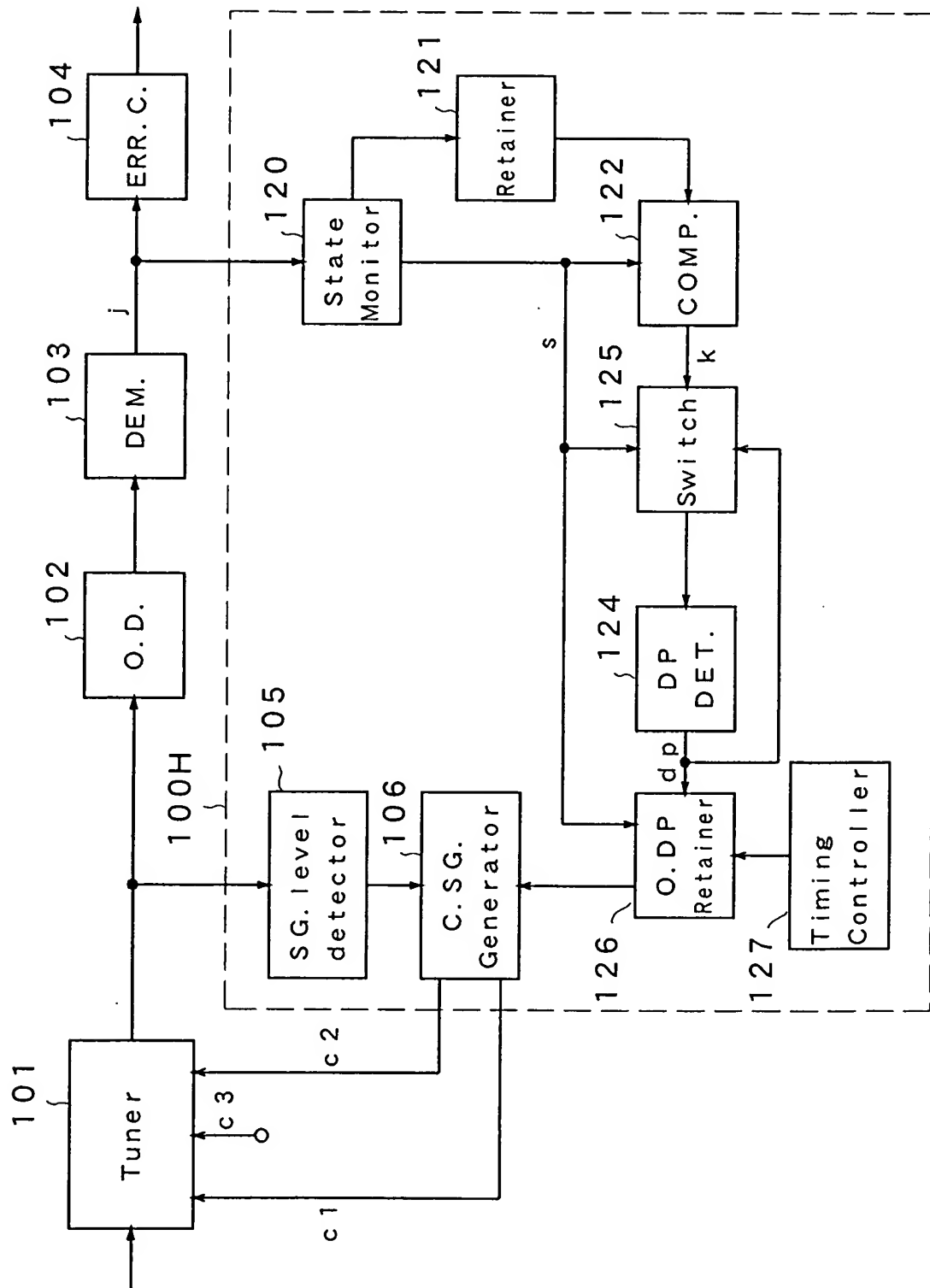
Fig. 25

Fig. 26
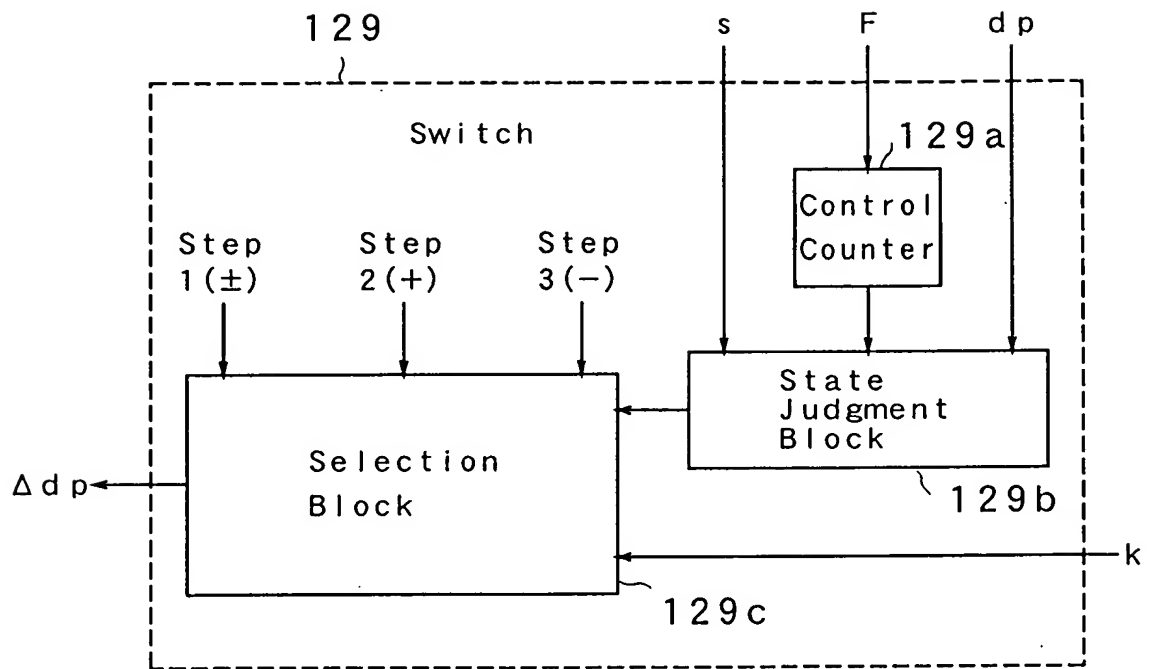
F i g. 2 7

N	Demodulation State	Comparison Signal	d p	Step Signal
0	◯	—	—	step 1 (± : small)
0	✕	—	—	step 2 (+ : large)
1	—	—	small	step 1 (± : small)
1	—	better	large	step 1 (± : small)
1	—	same or worse	large	step 3 (— : large)
2 or above	—	—	—	step 1 (± : small)

Fig. 28